| 2 61114        |  |  |  |   |                 |  |             |               |  |  |  | . /  | สก "   | 7 <sup>‡</sup> |
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|                |  |  |  | ~_  |                 |  |             |               | _  |  |  | /  | og j   | <u> </u>       |
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|                |  |  |  |   |                 |  |             | SERIAL NO     | )/   |  | <del> 1</del>                                    | FELING DAT                                       | E  |                |
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|                | AS F   | LED  | 1st AME  | DMENT   | 2nd AME         | NDMENT   | 1           |               | 940.   | DEP.   | IND.   | DEP.   | SND.   | DEP.           |
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| $\frac{0!}{2}$ |  | 1  | <del> </del>                                     |   | <del> </del>    |  | 1           | 52            | <del>/</del>                                     | 1.   |  |  |  |                |
| 3              |  | 1  | 1  |   |                 |  | j           | 53            |  | 1.   |  |  |  |                |
| 4              | 1  |  |  |   |                 |  |             | 54            |  | 1  |  |  |  | 4              |
| 5              |  |  |  |   | ļ               |  | 4           | 55<br>56      | ——}  |  |  | 1  |  | 1              |
| 6              |  |  | <del>                                     </del> | -   | <del> </del>    |  | -           | 57            |  | 1  |  | -  |  | 1              |
| 7 8            |  | <del>                                     </del> | <del>                                     </del> |   | -               |  | 1           | 58            |  | 7  |  |  |  |                |
| 9              | •  | 1  | 1  |   |                 |  | ]           | 59            |  | 1  |  |  |  | 11-1           |
| 10             |  | 1  |  |   |                 |  | 1           | 60            |  | <del>                                     </del> | ļ  | <del>   </del>                                   |  | ╁┼╌┤           |
| 11             |  | <u></u>  | <b></b>  | <b></b>   | <b>ļ</b>        | <b></b> -  | -           | 61            |  | <del> </del>                                     | <del> </del>                                     |  |  | ++             |
| 12             |  | 3:   |  | <del>}</del>                                      | <del>├</del> ── |  | ┪           | 63            | -  | 1  | 1  | <del>                                     </del> |  |                |
| 13             |  | }  | <del>                                     </del> | <del> \                                    </del> | 1               | <del>                                     </del> | 1           | 64            |  |  | IJ   |  |  |                |
| 15             |  | 1,   | 1  | 1   |                 |  | ]           | 65            |  |  | 1  |  |  | 44             |
| 16             |  | 1  |  |   |                 |  | 4           | 66            |  |  | <del>  \</del>                                   | <del> </del>                                     |  | 1 5            |
| 17             |  |  | <u> </u>   | 17  | <del> </del>    | <del> </del>                                     | 4           | 68            | -  |  | <del>                                     </del> |  |  | +              |
| 18             |  |  | <del> </del>                                     | <del> -\-</del>                                   | <del> </del>    | <del> </del>                                     | 1           | 69            | _  | -  | 1  | 1  |  |                |
| 19<br>20       |  | 1-1  | +  | <del>                                     </del>  | 1               | -  | 1           | 70            |  |  |  | 1  |  | 1              |
| 21             | 1  | -  |  |   |                 |  | ]           | 71            |  |  |  | 1  |  | 1              |
| 22             |  | II   |  |   |                 | <u> </u>   | 4           | 72            |  |  | <del> </del>                                     | +  |  | +}             |
| 23             | 1  | <u> </u>   |  | <del>  \</del>                                    | <del> </del>    | ├  | ┥           | 73            | <del> </del>                                     | <del> </del>                                     | ┼  | +  |  | 11:-           |
| 24<br>25·      | +-   | ļ  | -  | -   | <del>\</del>    | -  | 1           | 75            |  |  |  |  |  |                |
| 26             | ╁╌   | 1 2  | 1  | 1   | 1               |  | ]           | 76            |  |  |  | 17   |  | -              |
| 27             |  |  |  |   | T               |  | _           | 77            | <b> </b>   |  | <del> </del>                                     | +  | ├  | 18             |
| 28             |  | 1  | ļ  | <u> </u>  | +-              | -  | 4           | 78            |  | <del> </del>                                     | <del>                                     </del> | +-+  |  |                |
| 29             |  | ++   | <del> </del>                                     | <del>}</del>                                      | + \             | +-   | -           | 80            | -  | 1  | <del>                                     </del> |  | <b></b> -  | 13             |
| 30<br>31       |  | ++   | +  | +   | 1-1             | +  | 7           | 81            |  |  |  | -  |  | i              |
| 32             | _  | Tí.  |  |   |                 |  | ]           | 82            |  |  | ļ  | 1  | ¥  | -              |
| 33             | İ  |  |  |   |                 | <b>\</b>   | 4           | 83            | ├  |  | +/   | <del></del>                                      | 1  | +              |
| 34             | 1-   | <b> </b>   |  |   | ╂               | <del>\</del>                                     | -           | 85            | -  | +  | <del>                                     </del> | +  | 1  | 1              |
| 35<br>36       | 1  | +  | <del> </del>                                     | ┼ <del></del>                                     | +               | ₩-   | -           | 88            | <del>                                     </del> | 1  |  |  |  | Ti             |
| 37             | ┼──  | ++-  | +  | <del> </del>                                      | +               | 11   | 7           | 87            |  |  |  |  |  |                |
| 38             | 1  | ++-  |  |   |                 | $\Pi$  |             | 88            |  |  | <del> </del>                                     | 4  | 1  | 11-            |
| 39             |  | 1  |  |   | 1               | 11   | 4           | 89            | <b>├</b> ──                                      | <del> </del>                                     | <del> </del>                                     |  | <del>                                     </del> | 8              |
| 40             | <u> </u>   | 1-   | ┼  | <del> </del>                                      | ╃               | ++   | -           | 90            | ┼  | ┼  | +  | _  | <del>                                     </del> | 1 6            |
| 41             | <del>                                     </del> | +  |  | ┼   | +               | +-   | ┥ .         | 92            |  | 1  | 1  | 1  |  | Ni -           |
| 43             | -  | +  | +  | <del>                                     </del>  | 1-              | 11   | 1           | 93            |  |  |  |  |  | 7              |
| 44             | 1  |  |  |   |                 |  | ]           | 94            |  | 1  | 1-   | 1+   | ┼  | +-             |
| 45             |  | 1  |  | Ι   |                 | 4-4  | 4           | 95            | ┼  | +  | +  | +  | +  |                |
| 46             | -  | +  |  | +   | +               | +-   | H           | 96            | +  | +  | <del>  -</del> =                                 | +  | 1  | 1              |
| 47             | +  | <del>                                     </del> | +  | +   | +               | +  | H           | 98            | 1  |  |  |  | 1/   |                |
| 49             | 1  | ++   | +  | $\pm$   | 1               |  |             | 99            |  |  |  | 1  | 1  |                |
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| TOTAL          |  | 1  | ¥.   | 1   |                 |  |             | TOTAL<br>IND. | 12   | ا ا  |  | ا في إ   |  |                |
| TOTAL<br>DEP.  |  |  |  | -   |                 | -  |             | TOTAL<br>CEP. | 7  |  |  |  |  |                |
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|                |  |  |  |   |                 |  |             |               |  |  |  |  |  |                |

\* MAY BE USED FOR ADDITIONAL CLAIMS OR ADMENDMENTS

FORM PTO-2022 (1-98)

U.S.DEPARTMENT OF COMMERCE Patent and Trademark Office

|                 | CLAIMS (  | ONLY                     | Application Number 949 Filing Date Applicant(s)   |                |   |  |  |  |  |  |
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|                 |   |                          |   | * May be u     |   | ditional clair                                   |  | ndments  |  |  |
| CLAIMS          | AS FILED  | AFTER FIRST<br>AMENDMENT | AFTER SECOND AMENDMENT                            |                | •   |  | •  |  | *  |  |
| 78              | Indep Depend                                      | Indep Depend             | Indep Depend                                      | 4.51           | Indep   | Depend   | Indep  | Depend   | Indep  | Depend   |
| 10 1            |   |                          | 1   | 51             | $\overline{}$   | -  |  |  |  |  |
| 103             |   |                          |   | 53             |   |  |  |  |  |  |
| 0 4             |   |                          |   | / 54<br>/ 55   | <del>- \</del> -  | ļ  | ļ  |  |  | <del> </del>                                     |
| 10 5<br>10 6    | ~   -   |                          |   | 1 56           |   |  |  | <del>                                     </del> |  |  |
| 107             |   |                          |   | 1 57           |   |  |  |  |  |  |
| 108             |   |                          |   | 58             | <i>-i</i>   |  |  |  |  | <del> </del>                                     |
| 10 9<br>1 10    |   |                          | <del>-    </del>                                  | / 59<br>/ 60   | $\overline{}$   | <b></b>  | <del>                                     </del> |  |  | <u> </u>   |
| 7 11            | <del>-   -   -  </del>                            |                          |   | 61             |   |  |  |  |  |  |
| / 12            |   |                          |   | / 62           | <del></del>   | L  |  |  |  | <b>├</b>   |
| / 13            | $\rightarrow$                                     |                          | <del>                                     </del>  | 63             | $\vdash \!$ | <del></del>                                      |  | <del>                                     </del> | <del>                                     </del> | <del> </del>                                     |
| 115             | <del>- \                                   </del> |                          |   | 65             |   | <u> </u>   |  |  |  |  |
| 16              |   |                          |   | 66             |   |  |  |  |  | ļ  |
| 117             |   |                          |   | 67             | <del></del>   |  | -  | <del> </del>                                     |  | <del>                                     </del> |
| /18<br>/19      | $\overline{}$                                     |                          |   | 7 69           |   |  | -  |  |  |  |
| / 20            |   |                          |   | 70             |   |  |  |  |  |  |
| /21             |   |                          |   | 1 71           |   |  | <b> </b>   | <b>├</b>   | <b>!</b>   | <del> </del>                                     |
| 22              | · , · · · · · · · · · · · · · · · · · ·           |                          |   | / 72<br>/ 73   |   | -  |  |  | <del> </del>                                     | ┼  |
| / 23            |   |                          |   | 174            | <u> </u>  | <u> </u>   |  |  |  | <u> </u>   |
| / 25            | 1   |                          |   | 7 75           |   | L  | L  |  |  | ╁  |
| / 26            | 2   |                          |   | 76<br>77       | <u> </u>  |  | <del> </del>                                     | <del> </del>                                     |  | <del> </del>                                     |
| / 27            | <del>\                                    </del>  |                          | <del>                                     </del>  | 78             |   | i  | <b>†</b>   |  |  |  |
| / 29            |   |                          |   | 79             |   |  |  |  | ļ  | I  |
| / 30            |   |                          |   | 80             |   | <b>-</b>   |  |  |  | <del> </del>                                     |
| / 31            | <del></del>                                       |                          |   | 81<br>82       | <del> </del>  | <del>                                     </del> | <del> </del>                                     |  | <del>                                     </del> | <del> </del>                                     |
| / 33            |   |                          |   | 83             |   | <u> </u>   |  |  |  |  |
| / 34            |   |                          |   | 84             |   |  | <u> </u>   |  | <del> </del>                                     | <del> </del>                                     |
| <b>/</b> 35     |   |                          | <del></del>                                       | 85<br>86       |   | <del>                                     </del> |  |  | <del>                                     </del> | +  |
| / 36<br>/ 37    | <del>                                     </del>  |                          |   | 87             |   |  |  |  |  |  |
| / 38            |   |                          |   | 88             |   |  |  |  | ļ  | 4  |
| / 39            | <del>                                     </del>  |                          |   | 89<br>90       | <del>                                     </del>                                  | <del> </del>                                     | <del>                                     </del> | <del> </del>                                     | <del>                                     </del> | +  |
| / 40            | <del>                                     </del>  | <del>  </del>            | <del></del>                                       | 91             |   |  |  | 1  |  | 1  |
| / 42            |   |                          |   | 92             |   |  |  |  |  |  |
| 43              |   |                          |   | 93<br>94       | ļ   | <del> </del>                                     | <del>                                     </del> | +  | -  | +  |
| 44              | <del></del>                                       |                          | <del>                                     </del>  | 95             | <del>                                     </del>                                  | <del> </del>                                     | <del>                                     </del> |  | <del> </del>                                     | $\perp$  |
| , 46            | <del>                                     </del>  |                          |   | 96             | <u> </u>  |  |  |  |  |  |
| f 47            |   |                          |   | 97             |   | <u> </u>   | ↓  | <del>↓</del>                                     | <del> </del>                                     | ┼  |
| / 48            | 1 1   | <del> </del>             |   | 98<br>99       | ├   | <del>                                     </del> | <del>                                     </del> | +  | 1  | <del> </del>                                     |
| / 49            | <del>  /                                   </del> |                          | <del> ,                                    </del> | 100            |   |  | <b>t</b>   |  |  |  |
| Total           | 1 1   |                          |   | Total          | 5   |  |  |  |  |  |
| Indep           |   | <b>  </b>                | <u>                                     </u>      | Indep<br>Total |   | <u>ן</u>   | <del>-</del>                                     |  | <b>⊢</b>   |  |
| Total<br>Depend | •   | •                        |   | Depend         | 12  | <b>'</b>   |  |  | <u> </u>   | · ·  |
| Total           | <del>                                     </del>  |                          |   | Total          | 10  |  |  |  |  | $T^{T}$  |